High School to College and Career Pathway: Post-Secondary

Area of Study: Skilled & Technical Science Pathway: Heavy Duty Diesel

Region: Wasatch Front	District:	School:	College/Institution: Salt Lake Community College		
Contact Person: Don Johnson		Ph.#: 801-957-5807	Articulation Agreement in place? Yes		
E-mail: don.johnson@slcc.edu		Date: 4/6/07	Name of Degree or Certificate: Diesel Systems Technology Assoc of Applied Science Degree (64 hours required)		

High School				College			
Course Number	High School Suggested Academic Courses	H.S. Credit	College Credits	Course Number	College General Education Requirements	College Credits	
	ENGL 1010*	1	3 🗀	ENGL 1010	Introduction to Writing	3	
	IND 1120)*	1	3	IND 1120	Math for Industry	3	
	COMM 1010*	1	3 🗀	COMM 1010	Elements of Effective Communication	3	
				LE 1220	Human Relations	3	
	2 courses from 2 groups: BioSci, FineArts, Humanit, Interdis, PhysSci*	2	6		2 courses from 2 groups: BioSci, FineArts, Humanities, Interdisciplinary, PhysSci	6	

Note: This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note:** *= **concurrent** ^= **distant**

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Area of Study: Skilled 7 Technical Science Pathway: Heavy Duty Diesel

High School				College			
Course CIP #	CTE Pathway Courses (credits for completion)	H.S. Credit	College Credits	Course #	College Major Course Requirements	College Credits	
Course #	Foundation Course: (required)	Credit			-		
47.0605	Heavy Duty Mechanics/Diesel *	1.00	1^	DST 1040	Safety/Basic Diesel Theory	1	
			2 🔀	DST 1050	Safety/Basic Diesel Lab	2	
			1 📑	DST 1060	Safety/Basic Engine Performance Theory	1	
			2	DST 1070	Safety/Basic Engine Performance Lab	2	
	Elective Courses:						
47.0105	Electronics I	1.00					
47.0604	Automotive Service Technician	1.00					
47.0606	Small Vehicle Technician	1.00					
32.0199	Student Internship (Critical Workplace Skills)	.50					
				ENVT 1040	Workplace Safety Basics	2	
				IND 1110	Industrial Electronics	2	
				IND 1140	Principles of Technology	3	
				WLD 1005	Related Welding	3	
				DST 1140	Preventative Maintenance Brake Theory	1	
				DST 1150	Preventative Maintenance Brake Lab	2	
				DST 1160	Safety/Basic Engine Performance Theory	1	
				DST 1170	Preventative Maintenance Elect Lab	2	
				DST 1240	Drive Trains/Fluid Drives Theory	1	
				DST 1250	Drive Trains/Fluid Drives Lab	2	
				DST 1260	Drive Trains/Gear Drives Theory	1	
				DST 1270	Drive Trains/Gear Drives Lab	2	
				DST 2040	Adv Engine & Electronics Theory	1	
				DST 2050	Advanced Engines & Electronics Lab	2	
				DST 2060	Advanced Engine Performance Theory	1	
				DST 2070	Advanced Engine Performance Lab	2	
				DST 2140	Hydraulics Controls Theory	1	
				DST 2150	Hydraulics Controls Lab	2	
				DST 2160	Hydraulic Functions Theory	1	
				DST 2170	Hydraulic Functions Lab	2	

				DST 2240	Electrical Circuits Theory	1
				DST 2250	Electrical Circuits Lab	2
				DST 2260	Electrical Lighting Theory	1
				DST 2270	Electrical Lighting Lab	2
TOTAL Potential Credits Earned in High School		21	TOTAL Credits Required for Degree or Certificate		64	

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Note: This SLCC degree is articulated with a Bachelor of Science degree in Technology Management at Utah Valley State College. Requirements are: (1) complete this SLCC degree, (2) complete a total of 34 general education credit hours at SLCC (required for A.S. degree), and (3) earn 44 credit hours at UVSC in the Technology Management program.